

Fig. 1

QUEUE FILL LOGIC

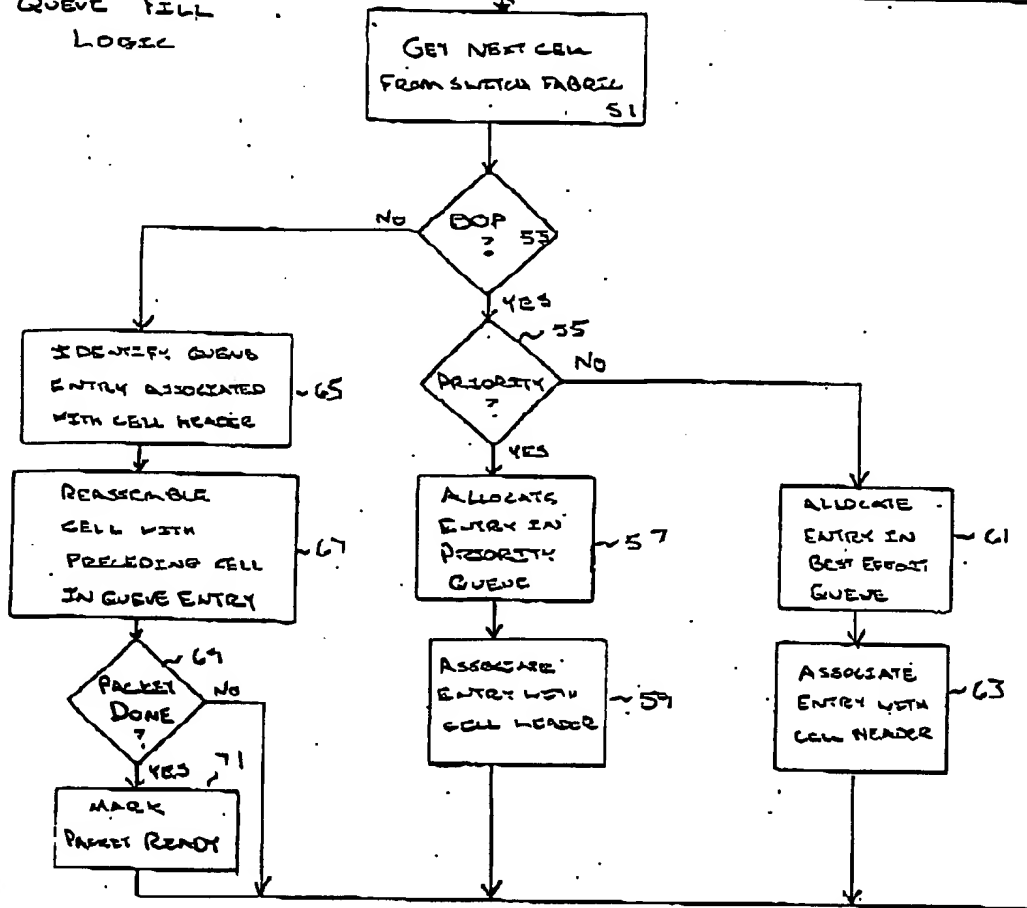


FIG. 2A

QUEUE DRAIN LOGIC

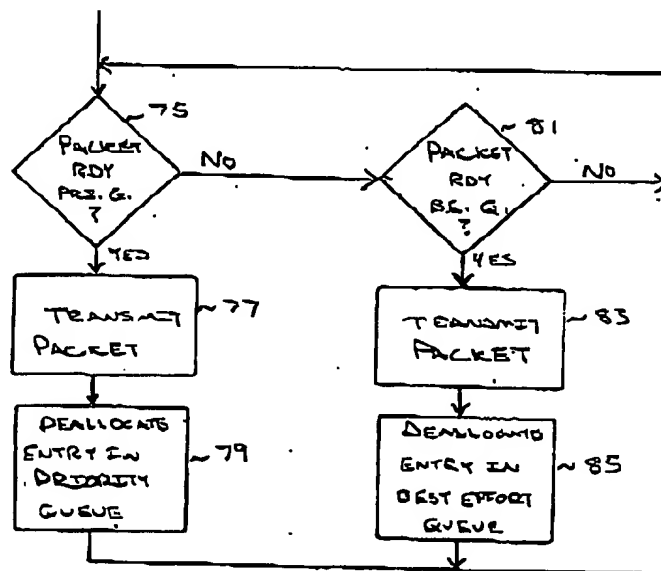
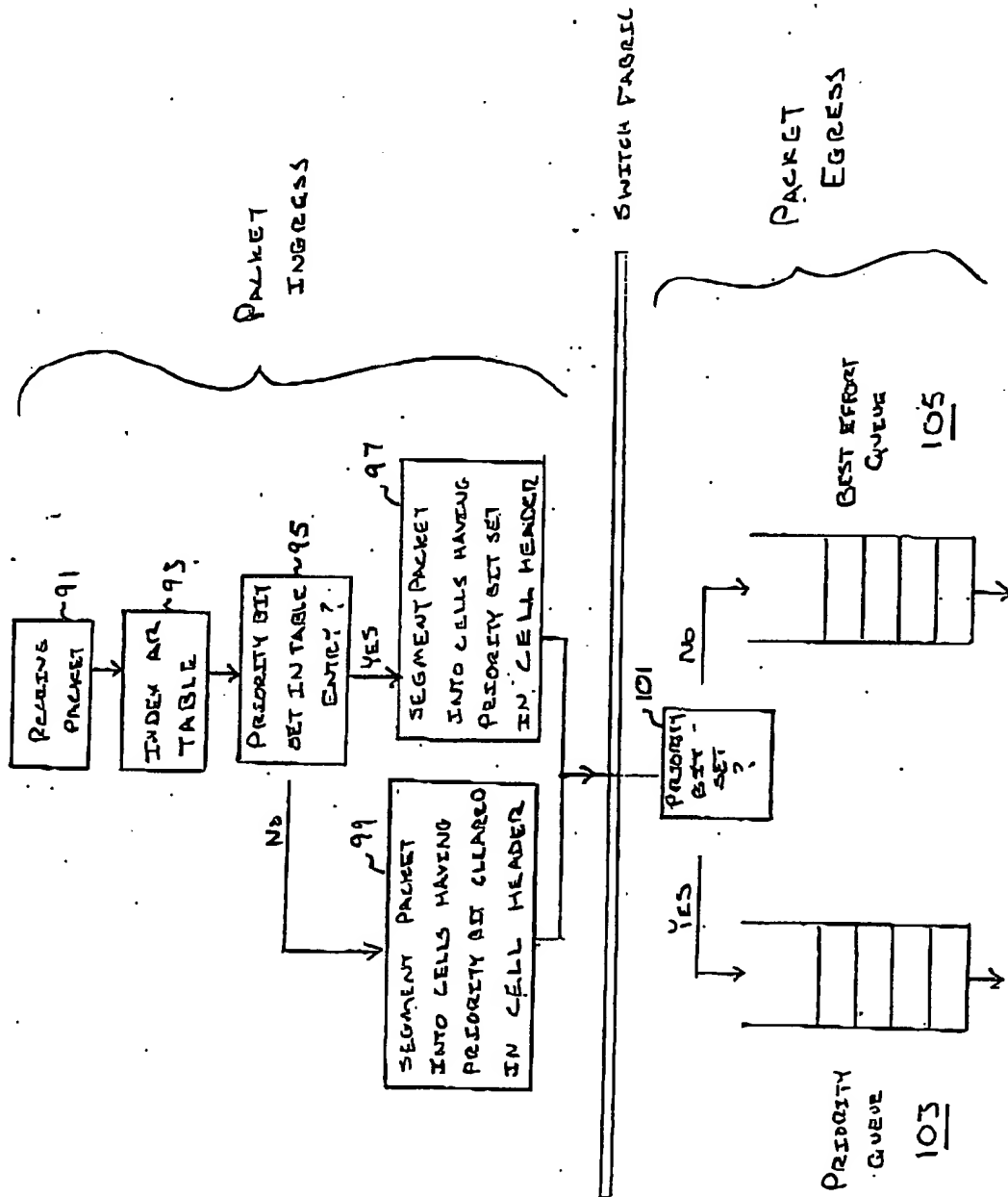
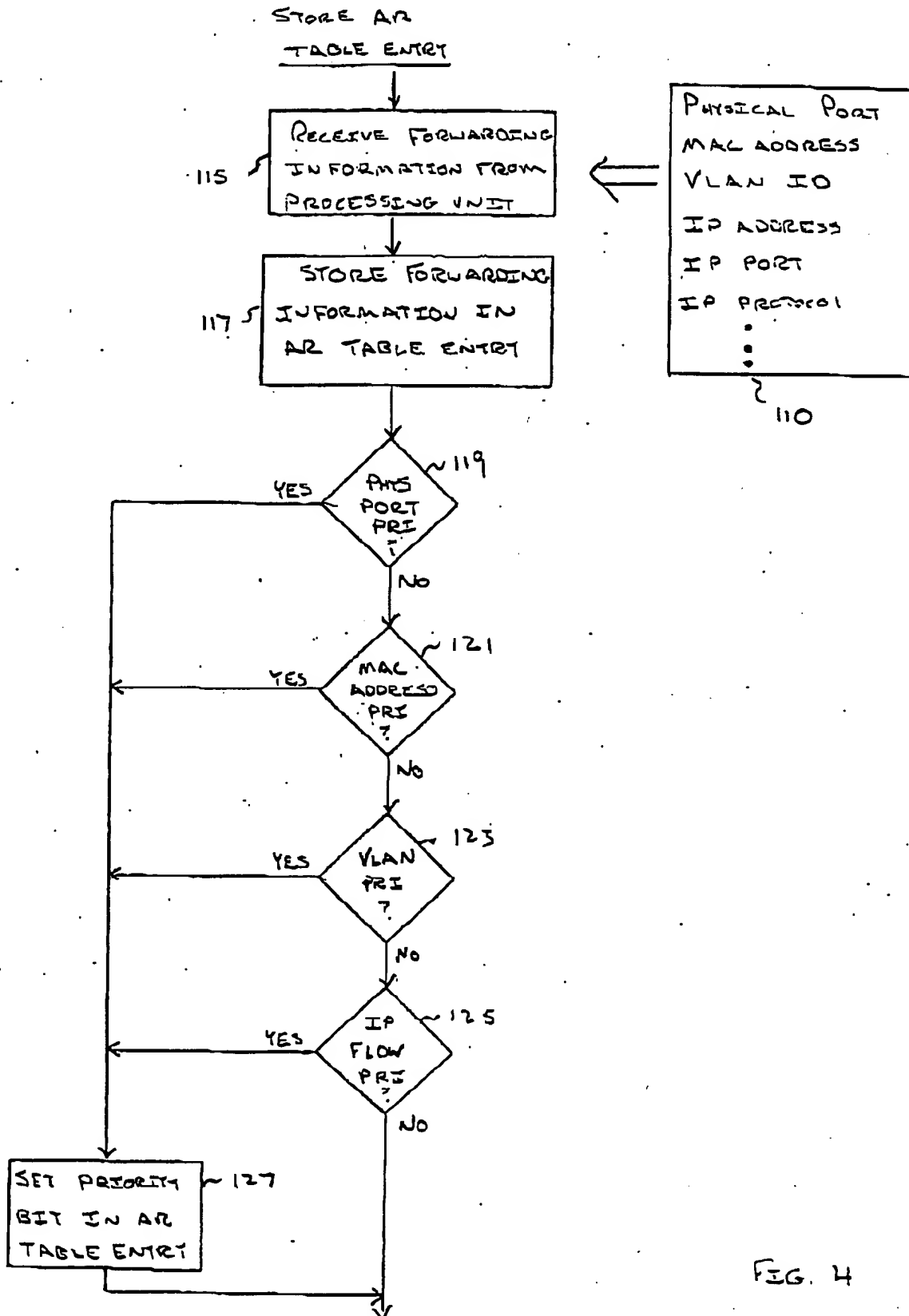


FIG. 2B

FIG. 3





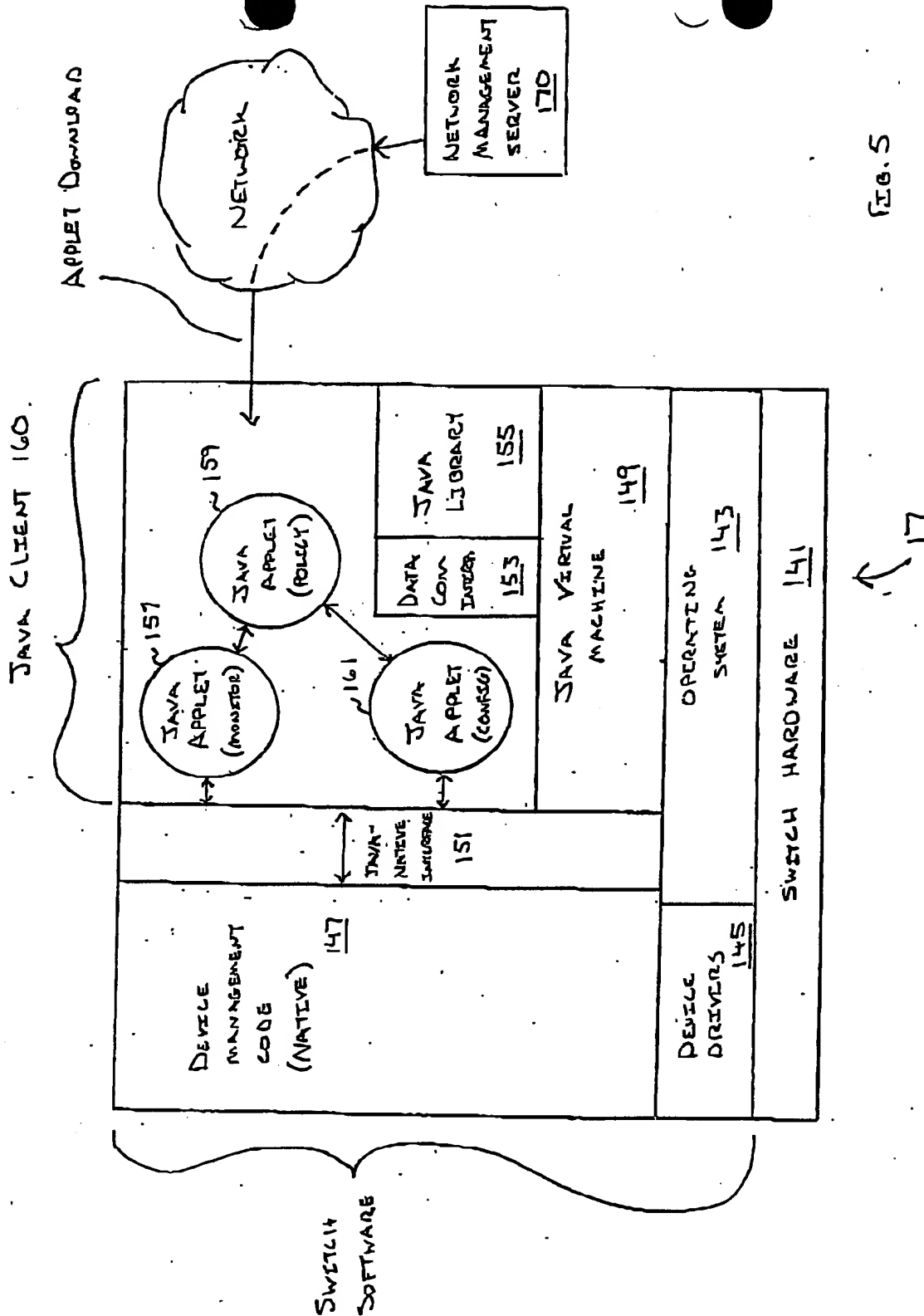


FIG. 5



22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



Il y a un avis de confidentialité sur la page 100 de ce document. Il est recommandé de lire attentivement cet avis avant d'utiliser ce document.

MONITOR:

FOREVER

```

(
  READ_DEST_MAC_UTIL%(PORT1, MAC_ADDR A)
  READ_DEST_MAC_UTIL%(PORT1, MAC_ADDR B)
  DELAY 10MS
)
  
```

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POLICY ENFORCEMENT:

A%: LINE UTILIZATION % MAC_ADDR A
B%: LINE UTILIZATION % MAC_ADDR B

QA_S: QUEUE ASSIGNMENT OF SERVER MAC_ADDR TRAFFIC
QA_A: QUEUE ASSIGNMENT OF MAC_ADDR A TRAFFIC
QA_B: QUEUE ASSIGNMENT OF MAC_ADDR B TRAFFIC

DELTA = 5%

QA_S = QA_A = QA_B = PRI.Q

FOREVER

GET A%, B% FROM MONITOR

```

(
  IF (QA_A == PRI.Q AND QA_B == PRI.Q) AND
    ((A%+B%) > 80%)
    QA_A = B.E.Q
  )
  
```

```

(
  IF (QA_A == B.E.Q AND QA_B == PRI.Q) AND
    ((A%+B%) < (80% - DELTA))
    QA_A = PRI.Q
  )
  
```

```

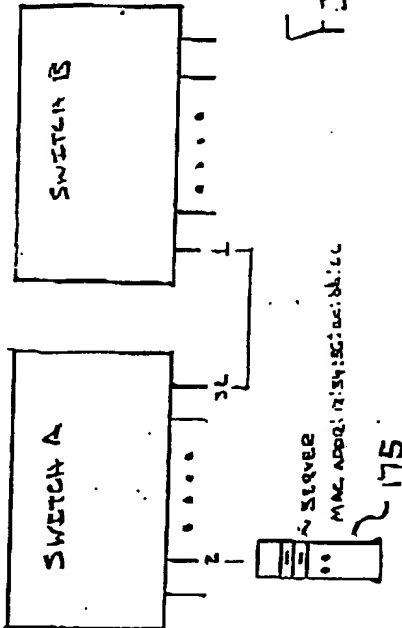
(
  IF (QA_A == B.E.Q AND QA_B == PRI.Q) AND
    (B% > 80%)
    QA_B = B.E.Q
  )
  
```

```

(
  IF (QA_B == B.E.Q) AND
    (B% < (80% - DELTA))
    QA_B = PRI.Q
  )
  
```

DELAY 5MS

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CONFIGURATION:

QA_A: QUEUE ASSIGNMENT OF MAC_ADDR A TRAFFIC
QA_B: QUEUE ASSIGNMENT OF MAC_ADDR B TRAFFIC
LAST_QA_A: QA_A HISTORY
LAST_QA_B: QA_B HISTORY
LAST_QA_A = LAST_QA_B = PRI.Q
FOREVER

```

(
  GET QA_A, QA_B FROM POLICY ENFORCEMENT
  IF (QA_A != LAST_QA_A)
  )
  
```

```

    MOVE_VIRTUAL_QUEUE(PORT1, MAC_ADDR A, QA_A)
    LAST_QA_A = QA_A
  )
  
```

```

  IF (QA_A != LAST_QA_A)
  )
  
```

```

    MOVE_VIRTUAL_QUEUE(PORT1, MAC_ADDR A, QA_A)
    LAST_QA_A = QA_A
  )
  
```

DELAY 2.5MS

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